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Proposed Maximum Residue Limit PMRL2010-58

Tepraloxydim

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has concluded that the addition of new uses on chickpeas, dry common beans, sunflowers and mustard to the product label of Equinox EC Herbicide, containing technical grade tepraloxydim, is acceptable. The specific uses approved in Canada are detailed on the label of Equinox EC Herbicide, *Pest Control Products Act* Registration Number 27603.

The evaluation of this tepraloxydim application indicated that the end-use product has merit and value and the human health and environmental risks associated with the new uses are acceptable. Details regarding the registration can be found in the corresponding Evaluation Report available in the Pesticides and Pest Management section of Health Canada's website, under Public Registry, Pesticide Product Information Database.[1]

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for tepraloxydim is being conducted via this document (see Next Steps, the last section of this document).

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

[1] The relevant report can be accessed by selecting the Applications/Amendment/Historical tab and opening the Evaluation Report found under Application Number 2008-5909.

The proposed MRLs for tepraloxydim in Canada in or on food, to replace or be added to those MRLs already legally established, are as follows.

Table 1 Proposed Maximum Residue Limits for Tepraloxydim

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Tepraloxydim	(*EZ*)-(*RS*)-2-{1-[(2*E*)-3-chloroallyloxyimino] propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one, including metabolites convertible to 3-perhydropyran-4-ylglutaric acid and 3-hydroxy-3-perhydropyran-4-ylglutaric acid, as parent equivalent	0.3*	Rapeseeds (Crop Subgroup 20A)
		0.2	Sunflowers (Crop Subgroup 20B)
		0.1**	Dried shelled pea and bean, except soybean (Crop Subgroup 6C)

* The MRL proposes to extend the 0.3 ppm MRL currently established on rapeseeds (canola) to the crop subgroup and replace the established 0.1 ppm MRL for flax. Mustard seeds (oilseed type) are not included under this action as a 0.3 ppm MRL was proposed for the commodity and consulted on under PMRL2010-22.

** The proposed MRL extends the 0.1 ppm MRL currently established on lentils and dry peas to the complete crop subgroup.

MRLs are proposed for commodities included in the listed crop groupings in accordance with Appendix I.

A complete list of all MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

MRLs may vary from one country to another for a number of reasons, including differences in pesticide use patterns and the locations of the field crop trials used to generate residue chemistry data. Table 2 compares the proposed MRLs for tepraloxydim in Canada with corresponding American tolerances and Codex Alimentarius MRLs.[2] American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide. Currently, Codex MRLs have not been established for tepraloxydim on any commodity. A listing of all established Codex MRLs is available on the Codex Alimentarius Pesticide Residues in Food website.

[2] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Rapeseeds (Crop Subgroup 20A)	0.3	0.1 (Flax, seed only) 0.5 (Canola, seed only)	No MRL established
Sunflowers (Crop Subgroup 20B)	0.2	No tolerance established	No MRL established
Dried shelled pea and bean, except soybean (Crop Subgroup 6C)	0.1	0.1 (Dry pea and lentil seeds only)	No MRL established

Next Steps

The PMRA invites the public to submit written comments on the proposed MRLs for tepraloxydim up to 75 days from the date of publication of this document. Please forward your comments to Publications (see the contact information on the cover page of this document). The PMRA will consider all comments received before making a final decision on the proposed MRLs for tepraloxydim and posting a corresponding Established Maximum Residue Limit document in the Pesticides and Pest Management section of Health Canada's website.

Appendix I

Crop Groups: Numbers and Definitions

Crop Group		Crop Subgroup		Food Commodities Included in the Crop Group or Subgroup
No.	Name	No.	Name	
6	Legume vegetables (succulent or dried)	6C	Dried shelled pea and bean (except soybean)	Dry adzuki beans Dry beans Dry blackeyed peas Dry broad beans Dry catjang seeds Dry chickpeas Dry cowpea seeds Dry field peas* Dry guar seeds Dry kidney beans Dry lablab beans Dry lentils* Dry lima beans Dry moth beans Dry mung beans Dry navy beans Dry pigeon peas Dry pink beans Dry pinto beans Dry rice beans Dry southern peas Dry tepary beans Dry urd beans Grain lupin
20	Oilseed	20A	Rapeseed	Borage seeds Cuphea seeds Echium seeds Flaxseeds** Gold of Pleasure seeds Hare's ear mustard seeds Milkweed seeds Mustard seeds (oilseed type)*** Oil radish seeds Poppy seeds Rapeseeds (canola)**** Sesame seeds Sweet rocket seeds
20	Oilseed	20B	Sunflower	Calendula seeds Evening primrose seeds Jojoba seeds Niger seed seeds Safflower seeds Sunflower seeds Tallowwood seeds Tea oil plant seeds

* Not included in this action as a 0.1 ppm MRL is already established

** The currently established 0.1 ppm MRL is proposed to be replaced via this action

*** Not included in this action as a 0.3 ppm MRL is in the process of promulgation via PMRL2010-22

**** Not included in this action as a 0.3 ppm MRL is already established